

REMARKS

Reconsideration and allowance are respectfully requested in light of the above amendments and the following remarks.

Claims 1-8 have been canceled in favor of new claims 9-13, which better define the subject matter the Applicant regards as the invention. Support for the new claims is provided in the original claims.

Claims 1-8 were rejected, under 35 USC §102(e), as being anticipated by Kobayakawa et al. (US 6,064,338). To the extent these rejections may be deemed applicable to new claims 9-13, Applicant respectfully traverses.

The Applicant submits that Kobayakawa fails to disclose the features recited in independent claims 9, 10, and 13 of: (1) combining power addition values that respectively correspond to a plurality of directional patterns of signals received by adaptive array antenna reception to determine a power combination value and (2) creating a delay profile based on the power combination value for use in creating a finger assignment.

As described in relation to the exemplary but non-limiting embodiment of the invention illustrated in Fig. 2, a path searcher 108 receives directional patterns of signals from reception directivity control circuit 106 (specification page 6, lines 21-28). Path searcher 108 creates a power addition value

for each directional pattern (page 9, lines 5-8 and 23-26), and combining circuit 112 combines the individual power addition values for use in creating a delay profile with delay profile circuit 113 (page 11, lines 1-6 and 18-21). Thereafter finger assignment circuit 114 determines the despreading timing for AAA reception weight control from the delay profile (i.e., finger path) (page 11, lines 21-24).

By contrast to the above-noted claimed features, Kobayakawa discloses in Fig. 3 a path selector 32 that receives non-directional signal patterns for use in determining: (1) the despreading timing used by fingers 6_1-6_k and (2) adaptive weights used by beam formers 5_1-5_k (see Kobayakawa col. 7, line 65, through col. 8, lines 2 and col. 8, lines 25-31). Kobayakawa's searcher 3, AWC 4, beam former 5, and rake receiver 6 are similar to Applicant's reception weight control section 104, reception grouped weight control circuit 105, reception directivity control circuit 106, and demodulation circuit 107. However, Kobayakawa does not disclose a path searcher that receives directional signal patterns from beam former 5 for use in selecting finger paths in fingers 6_1-6_k .

Although both Kobayakawa and Applicant disclose applying AAA (i.e., directional) reception for the recovery of communicated data, Kobayakawa discloses the use of non-directional reception

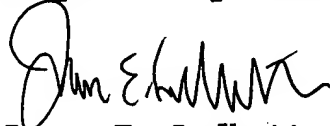
for determining finger assignments while Applicant claims the use of AAA directional reception for determining finger assignments. This feature of the present invention makes it possible to create a non-directional state delay profile from a signal that has a high SIR due to AAA reception (see specification page 4, lines 5-7). Thus, the invention reduces the non-detection probability of a reception path and, as a result, responds better to movement of a communication terminal (see page 4, lines 7-9). Moreover, more accurate finger assignment may be achieved without an increase in reception power.

In accordance with the above discussion, Applicant submits that Kobayakawa does not anticipate the features recited in claims 9, 10, and 13 of: (1) combining power addition values corresponding to directional patterns of signals received by AAA reception to determine a power combination value and (2) creating a delay profile based on the power combination value for use in creating a finger assignment. Therefore, allowance of claims 9, 10, and 13 and all claims dependent therefrom is warranted.

In view of the above, it is submitted that this application is in condition for allowance and a notice to that effect is respectfully solicited.

If any issues remain which may best be resolved through a telephone communication, the Examiner is requested to telephone the undersigned at the local Washington, D.C. telephone number listed below.

Respectfully submitted,



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